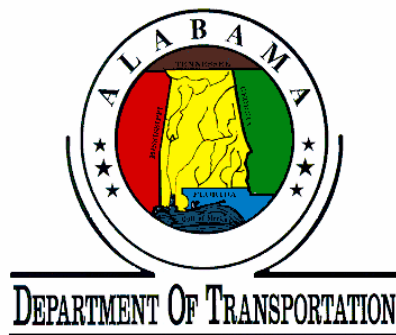


**SUMMARY REPORT FOR  
QUARTERLY SAMPLING RESULTS  
FOR SEPTEMBER 17, AND  
OCTOBER 30, 2002  
INVESTIGATION OF  
“LOW-LYING AREAS”**

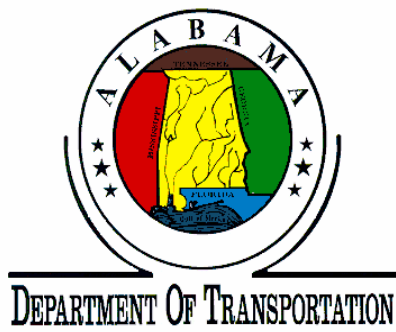
**Coliseum Boulevard  
Plume Investigation**



**January 22, 2003**

**Submitted to:**

**The Alabama Department of Environmental Management  
Montgomery, Alabama**

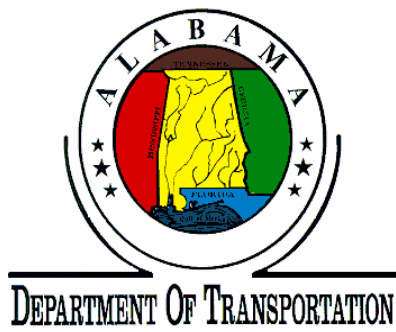


**SUMMARY REPORT FOR  
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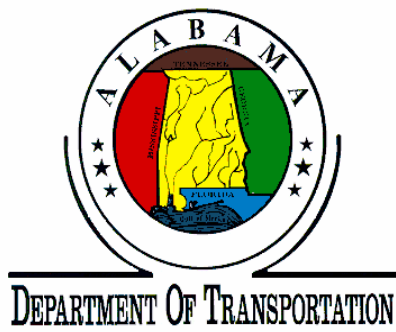
**SUMMARY REPORT FOR  
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## **Introduction**

The ALDOT (Alabama Department of Transportation) is investigating a TCE (trichloroethylene) release in cooperation with and under the direction of the ADEM (Alabama Department of Environmental Management). The investigation comprises four general areas: 1) the Kilby Ditch, 2) the Probehole 12 area, 3) Low-Lying Areas, and 4) Site-Wide. This report contains results of samples of sediment and surface water collected from the low-lying areas.

The Low-Lying Areas is located downstream from the Kilby Ditch (Figure 1). Soil and surface-water samples are collected at 16 sites in accordance with Addendum 04 of the Work Plan to investigate the CBP (Coliseum Boulevard Plume). The 16 sites where samples are collected are shown on Figure 2 and described in Table 1. Soil and surface-water samples were collected in November 2001 and February 2002. Based on the November 2001 and February 2002, results, the ALDOT recommended quarterly soil and surface-water sampling at eight locations (I, J, K, L, M, N, O, and P) for one year. The quarterly sampling is to determine if VOC (volatile organic compounds) concentrations fluctuate seasonally. This report provides the results of the September and October 2002 sampling events in the Low-Lying areas. The September sampling event was conducted in the second quarter. The October sampling event was conducted early in the third quarter to coordinate with a site-wide ground water and surface water sampling event. The sampling event for the fourth quarter will be conducted in January 2003.

<b>TABLE 1. Soil and Surface-Water Sample Locations; Coliseum Boulevard Investigation Site, Montgomery, Montgomery County, Alabama.</b>	
<b>Sample Location Identifier</b>	<b>Description</b>
A	Seep
B	Low point of a multi-branching channel. Water flows in from a single channel and pools until it overflows into other channels.
C	Low point of an interconnecting channel between two intermittent streams.
D	Low point of branching channels.
E	Low point of a channel (ground water seep).



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<b>TABLE 1. Soil and Surface-Water Sample Locations; Coliseum Boulevard Investigation Site, Montgomery, Montgomery County, Alabama.</b>	
<b>Sample Location Identifier</b>	<b>Description</b>
F	Same as B (The pooled water empties into a single channel).
G	Confluence of intermittent stream with Three Mile Branch.
H	Depositional area (sand bar).
I	Depositional area (sand bar).
J	Depositional area (mud flat).
K	Low point (water pools).
L	Depositional area (sand bar).
M	A low point in the grassy field.
N	Culvert (water outflow).
O	Low point at bottom of hill.
P	Culvert (water inflow).

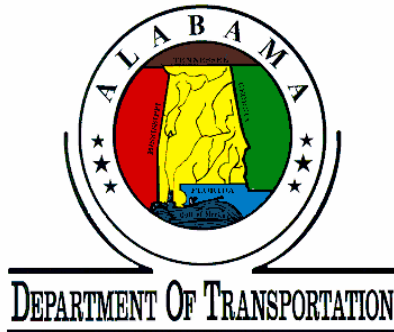
**Sample Collection**

A hand auger was used to collect the soil samples at locations I, J, K, L, M, N, O, and P during the September and October 2002 sampling events. Soil samples were collected from the hand auger using a 5-gram EnCore sampler. The soil samples were collected immediately above the first stiff silt, clay, or organic layer. During the September and October 2002 sampling events the soil samples were collected 6 to 12-inches BLS (below land surface).

Seven surface-water samples were collected during the September and October 2002 sampling events at locations I, J, K, L, N, O, and P. There was no standing water at location M. Duplicate and equipment rinseate samples were collected during each event. Additionally, a trip blank was placed in the cooler.

Each surface-water sample was collected by slowly lowering an upright VOC glass vial, which contained hydrochloric acid preservative, into the water. The cap of the VOC vial was used to add water to form a meniscus before sealing the vial with a Teflon-lined cap.

Soil and surface-water samples were immediately placed on ice, in a cooler, and shipped to **TTL's** laboratory in Tuscaloosa, Alabama for VOC analyses under strict



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chain-of-custody. The samples were analyzed for VOC's using Method 8260 as outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846, 3<sup>rd</sup> Edition, November 1986.

### **Results**

In September 2002, the soil sample from location L contained concentrations of TCE and cis-1, 2-dichloroethene of 26.4 and 6.3µg/kg (micrograms per kilogram), respectively. In October 2002, the soil sample from location O, contained vinyl chloride at 35.1µg/kg and toluene at 7.1µg/kg. Additionally, location N contained toluene at 3.2µg/kg. Laboratory reports are included in Attachment A.

The analytical results for samples collected on November 15 and 16, 2001, February 13 and 14, 2002, May 22, 2002, September 17, 2002, and October 31, 2002 are presented in Tables 2a and 2b and in Figures 3 and 4. During the September and October events, TCE concentrations (some concentrations estimated) were reported in the surface water at sample locations I, J, K, L, N, and O. The water samples with the greatest concentration of TCE collected during September and October 2002 were from location P with 10.5µg/l (micrograms per liter) and 25.1µg/l, respectively. There was 1.0µg/l of chloromethane in the surface-water sample from location O in September 2002. There was 4.8µg/l of vinyl chloride and 15.3µg/l cis-1,2-dichloroethane reported in October 2002 in the surface-water sample for location O. Laboratory reports are included in Attachment A.

The next quarterly sampling event will be conducted late in January 2003. After this final quarterly sampling event the ALDOT will evaluate if an ecological risk assessment should be performed in the Low-Lying Areas.

**Table 2a.** Concentrations of VOCs (volatile organic compounds)<sup>1</sup> in samples of soil. Quarterly "Low-Lying Areas" Investigation; Coliseum Boulevard Plume Investigation; Montgomery, Alabama. [Distributions of VOCs in soils and surface-water samples are shown on Figures 3 and 4.]

Sample Identifier	Sample Date	Approximate Sample Depth (inches)	Trichloroethylene	Trichlorofluoromethane	Benzene	Toluene	M,P-Xylenes	Cis-1,2-Dichloroethane	Vinyl Chloride	Cis-1,3-Dichloropropene	Methylene Chloride <sup>2</sup>
			[Concentrations are in micrograms per kilogram (µg/kg)]								
			3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>
A	11/15/2001	6	ND <sup>4</sup>	ND	ND	ND	ND	ND	ND	ND	4.3J <sup>5</sup>
	2/13/2002	12	ND	6.3	ND	ND	ND	ND	ND	ND	ND
	5/22/2002	-	NC <sup>6</sup>	NC	NC	NC	NC	NC	NC	NC	NC
B B - dup <sup>7</sup> B	11/15/2001	5	ND	ND	ND	ND	ND	ND	ND	ND	3.6J
	2/13/2002	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/13/2002	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/22/2002	-	NC	NC	NC	NC	NC	NC	NC	NC	NC
C	11/15/2001	8	ND	ND	ND	ND	ND	ND	ND	ND	5.7J
	2/13/2002	8	NR <sup>8</sup>	NR	NR	NR	NR	NR	NR	NR	NR
	5/22/2002	-	NC	NC	NC	NC	NC	NC	NC	NC	NC
D D-dup D	11/15/2001	8	ND	ND	ND	3.3J	ND	ND	ND	ND	ND
	11/15/2001	8	ND	ND	ND	12.4J	ND	ND	ND	ND	ND
	2/13/2002	8	ND	ND	5.0	ND	ND	ND	ND	ND	ND
	5/22/2002	-	NC	NC	NC	NC	NC	NC	NC	NC	NC
E	11/15/2001	4	ND	ND	ND	25.5J	ND	ND	ND	ND	3.9J
	2/13/2002	7	ND	ND	ND	9.5	ND	ND	ND	ND	ND
	5/22/2002	-	NC	NC	NC	NC	NC	NC	NC	NC	NC
F	11/15/2001	6	ND	ND	ND	8.8J	ND	ND	ND	ND	10.6J
	2/13/2002	11	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/22/2002	-	NC	NC	NC	NC	NC	NC	NC	NC	NC
G	11/15/2001	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/13/2002	7	ND	14.4	ND	ND	ND	ND	ND	ND	ND
	5/22/2002	-	NC	NC	NC	NC	NC	NC	NC	NC	NC
H	11/15/2001	6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/13/2002	4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/22/2002	-	NC	NC	NC	NC	NC	NC	NC	NC	NC
I	11/16/2001	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/14/2002	5	12.1	ND	ND	ND	ND	ND	ND	ND	ND
	5/22/2002	5	6.8J	ND	ND	4.7J	1.9J	ND	ND	ND	4.2J
	9/17/2002	6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/31/2002	6	ND	ND	ND	ND	ND	ND	ND	ND	ND

Continued on next page

**Table 2a.** Concentrations of VOCs (volatile organic compounds)<sup>1</sup> in samples of soil. Quarterly "Low-Lying Areas" Investigation; Coliseum Boulevard Plume Investigation; Montgomery, Alabama. [Distributions of VOCs in soils and surface-water samples are shown on Figures 3 and 4.]

Sample Identifier	Sample Date	Approximate Sample Depth (inches)	Trichloroethylene	Trichlorofluoromethane	Benzene	Toluene	M,P-Xylenes	Cis-1,2-Dichloroethane	Vinyl Chloride	Cis-1,3-Dichloropropene	Methylene Chloride <sup>2</sup>
			[Concentrations are in micrograms per kilogram (µg/kg)]								
			3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>
J	11/16/2001	8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/14/2002	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/22/2002	8	ND	ND	ND	4.1J	ND	ND	ND	ND	7.5J
	9/17/2002	7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/31/2002	8	ND	ND	ND	ND	ND	ND	ND	ND	ND
K	11/16/2001	8	ND	ND	ND	ND	ND	ND	ND	ND	3.1J
K-dup	11/16/2001	8	ND	ND	ND	ND	ND	ND	ND	ND	ND
K	2/14/2002	11	ND	ND	ND	ND	ND	ND	ND	ND	ND
K-dup	2/14/2002	11	ND	ND	ND	ND	ND	ND	ND	ND	ND
K	5/22/2002	12	ND	ND	ND	6.0J	ND	ND	ND	ND	3.2J
	9/17/2002	12	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/31/2002	12	ND	ND	ND	ND	ND	ND	ND	ND	ND
L	11/16/2001	10	3.9J	ND	ND	ND	ND	ND	ND	ND	3.1J
L-dup	2/14/2002	8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/22/2002	10	ND	ND	ND	ND	ND	ND	ND	ND	4.8J
	5/22/2002	10	ND	ND	ND	ND	ND	ND	ND	ND	4.8J
L	9/17/2002	8	26.4J	ND	ND	ND	ND	6.3J	ND	ND	ND
	10/31/2002	12	ND	ND	ND	ND	ND	ND	ND	ND	ND
M	11/16/2001	10	ND	ND	ND	ND	ND	ND	ND	ND	4.8J
	2/14/2002	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/22/2002	8	ND	ND	ND	3.0J	ND	ND	ND	ND	3.3J
	9/17/2002	8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/31/2002	6	ND	ND	ND	ND	ND	ND	ND	ND	ND
N	11/15/2001	3	50.6J	ND	ND	16.4J	ND	ND	ND	ND	6.6J
	2/13/2002	9	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/22/2002	10	ND	ND	ND	ND	ND	ND	ND	ND	3.3J
	9/17/2002	8	ND <sup>9</sup>	ND	ND	ND	ND	ND	ND	ND	ND
N-dup	9/17/2002	8	ND	ND	ND	ND	ND	ND	ND	ND	ND
N	10/31/2002	12	ND	ND	ND	3.2J	ND	ND	ND	ND	ND

Continued on next page

**Table 2a.** Concentrations of VOCs (volatile organic compounds)<sup>1</sup> in samples of soil. Quarterly "Low-Lying Areas" Investigation; Coliseum Boulevard Plume Investigation; Montgomery, Alabama. [Distributions of VOCs in soils and surface-water samples are shown on Figures 3 and 4.]

Sample Identifier	Sample Date	Approximate Sample Depth (inches)	Trichloroethylene	Trichlorofluoromethane	Benzene	Toluene	M,P-Xylenes	CIS-1-Dichloroethane	Vinyl Chloride	Cis-1,3-Dichloropropene	Methylene Chloride <sup>2</sup>
			[Concentrations are in micrograms per kilogram (µg/kg)]								
			3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>
O	11/15/2001	3	ND	ND	ND	3.3J	ND	ND	ND	ND	3.1J
	2/13/2002	8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/22/2002	8	ND	5.7J	ND	4.0J	ND	ND	ND	ND	4.8J
	9/17/2002	12	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/31/2002	12	ND	ND	ND	7.3J	ND	ND	35.1	ND	ND
P	11/15/2001	2	ND	7.1J	ND	ND	ND	ND	ND	ND	ND
	2/13/2002	9	10.6	ND	ND	ND	ND	ND	ND	ND	ND
	5/22/2002	11	7.0J	ND	ND	ND	ND	ND	ND	ND	6.7J
	9/17/2002	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/31/2002	8	ND	ND	ND	ND	ND	ND	ND	ND	ND

**Notes:**

- <sup>1</sup> The samples were analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.
- <sup>2</sup> Methylene Chloride is considered to have been present in the laboratory during analysis of the samples.
- <sup>3</sup> MDL - Method Detection Limit of 3.0 micrograms per kilogram for the soil laboratory analyses
- <sup>4</sup> ND - Not Detected
- <sup>5</sup> J - Concentration below the calibration curve, but above the detection limit
- <sup>6</sup>
- <sup>7</sup> dup - Duplicate samples were collected for quality assurance / quality control purposes.
- <sup>8</sup> NR - Not Reported, analytical results were not reported by STL laboratories because the soil sample appeared to have something in the matrix which caused the sample not to purge.
- <sup>9</sup> Results are reported on "wet-weight" basis.



**Table 2b.** Concentrations of VOCs (volatile organic compounds)<sup>1</sup> in samples of surface water, Quarterly "Low-Lying Areas" Investigation; Coliseum Boulevard Plume Investigation; Montgomery, Alabama. [Distributions of VOCs in soils and surface-water samples are shown on Figures 3 and 4.]

Sample Identifier	Sample Date	Trichloroethylene	Toluene	Chloromethane	Vinyl Chloride	Cis-1,2-Dichloroethane	Methylene Chloride <sup>2</sup>
		[Concentrations are in micrograms per liter (µg/l)]					
		1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>
A	11/15/2001	ND <sup>4</sup>	ND	ND	ND	ND	ND
	2/13/2002	ND	ND	ND	ND	ND	ND
	5/22/2002	NC <sup>5</sup>	NC	NC	NC	NC	NC
B B - dup <sup>6</sup> B	11/15/2001	NC	NC	NC	NC	NC	NC
	2/13/2002	ND	ND	ND	ND	ND	ND
	2/13/2002	ND	ND	ND	ND	ND	ND
	5/22/2002	NC	NC	NC	NC	NC	NC
C	11/15/2001	NC	NC	NC	NC	NC	NC
	2/13/2002	ND	ND	ND	ND	ND	ND
	5/22/2002	NC	NC	NC	NC	NC	NC
D D-dup D	11/15/2001	NC	NC	NC	NC	NC	NC
	11/15/2001	NC	NC	NC	NC	NC	NC
	2/13/2002	ND	ND	ND	ND	ND	ND
	5/22/2002	NC	NC	NC	NC	NC	NC
E	11/15/2001	NC	NC	NC	NC	NC	NC
	2/13/2002	ND	ND	ND	ND	ND	ND
	5/22/2002	NC	NC	NC	NC	NC	NC
F	11/15/2001	NC	NC	NC	NC	NC	NC
	2/13/2002	ND	1.1J <sup>7</sup>	ND	ND	ND	ND
	5/22/2002	NC	NC	NC	NC	NC	NC
G	11/15/2001	NC	NC	NC	NC	NC	NC
	2/13/2002	ND	ND	ND	ND	ND	ND
	5/22/2002	NC	NC	NC	NC	NC	NC
H	11/15/2001	ND	ND	ND	ND	ND	ND
	2/13/2002	ND	ND	ND	ND	ND	ND
	5/22/2002	NC	NC	NC	NC	NC	NC
I	11/16/2001	4.6J	ND	ND	ND	ND	ND
	2/14/2002	5.0J	ND	ND	ND	ND	ND
	5/22/2002	2.3J	ND	ND	ND	ND	ND
	9/17/2002	ND	ND	ND	ND	ND	ND
	10/31/2002	4.2J	ND	ND	ND	ND	ND
J	11/16/2001	2.8J	ND	ND	ND	ND	ND
	2/14/2002	3.9J	ND	ND	ND	ND	ND
	5/22/2002	1.9J	ND	ND	ND	ND	ND
	9/17/2002	ND	ND	ND	ND	ND	ND
	10/31/2002	3.9J	ND	ND	ND	ND	ND

*Continued on next page*

**Table 2b.** Concentrations of VOCs (volatile organic compounds)<sup>1</sup> in samples of surface water, Quarterly "Low-Lying Areas" Investigation; Coliseum Boulevard Plume Investigation; Montgomery, Alabama. [Distributions of VOCs in soils and surface-water samples are shown on Figures 3 and 4.]

Sample Identifier	Sample Date	Trichloroethylene	Toluene	Chloromethane	Vinyl Chloride	Cis-1,2-Dichloroethane	Methylene Chloride <sup>2</sup>
		[Concentrations are in micrograms per liter (µg/l)]					
		1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>
K	11/16/2001	4.9J	ND	ND	ND	ND	ND
K-dup	11/16/2001	4.9J	ND	ND	ND	ND	ND
K	2/14/2002	16.4J	ND	ND	ND	ND	ND
K-dup	2/14/2003	16.2J	ND	ND	ND	ND	ND
K	5/22/2002	5.5J	ND	ND	ND	ND	ND
	9/17/2002	2.2J	1.4J	ND	ND	ND	ND
	10/31/2002	5.5J	ND	ND	ND	ND	ND
L	11/16/2001	2.9J	ND	ND	ND	ND	ND
	2/14/2002	7.9J	ND	ND	ND	ND	ND
	5/22/2002	2.7J	ND	ND	ND	ND	ND
L-dup	5/22/2002	2.6J	ND	ND	ND	ND	ND
L	9/17/2002	1.4J	ND	ND	ND	ND	ND
	10/31/2002	3.4J	ND	ND	ND	ND	ND
M	11/16/2001	ND	ND	ND	ND	ND	ND
	2/14/2002	ND	ND	ND	ND	ND	ND
	5/22/2002	NC	NC	NC	NC	NC	NC
N	11/15/2001	7.0J	ND	ND	ND	ND	ND
	2/13/2002	16.8J	ND	ND	ND	ND	ND
	5/22/2002	7.6J	ND	ND	ND	ND	ND
	9/17/2002	3.7J	ND	ND	ND	ND	ND
N-dup	9/17/2002	3.7J	ND	ND	ND	ND	ND
N	10/31/2002	10.0J	ND	ND	ND	ND	ND
O	11/15/2001	NC	NC	NC	NC	NC	NC
	2/13/2002	ND	ND	ND	ND	ND	ND
	5/22/2002	NC	NC	NC	NC	NC	NC
	9/17/2002	ND	ND	1.0J	ND	ND	ND
	10/31/2002	2.5J	ND	ND	4.8J	15.3J	ND
P	11/15/2001	16.8J	ND	ND	ND	ND	ND
	2/13/2002	41.2	ND	ND	ND	ND	ND
	5/22/2002	22.4	ND	ND	ND	ND	ND
	9/17/2002	10.5J	ND	ND	ND	ND	ND
	10/31/2002	25.1	ND	ND	ND	ND	ND

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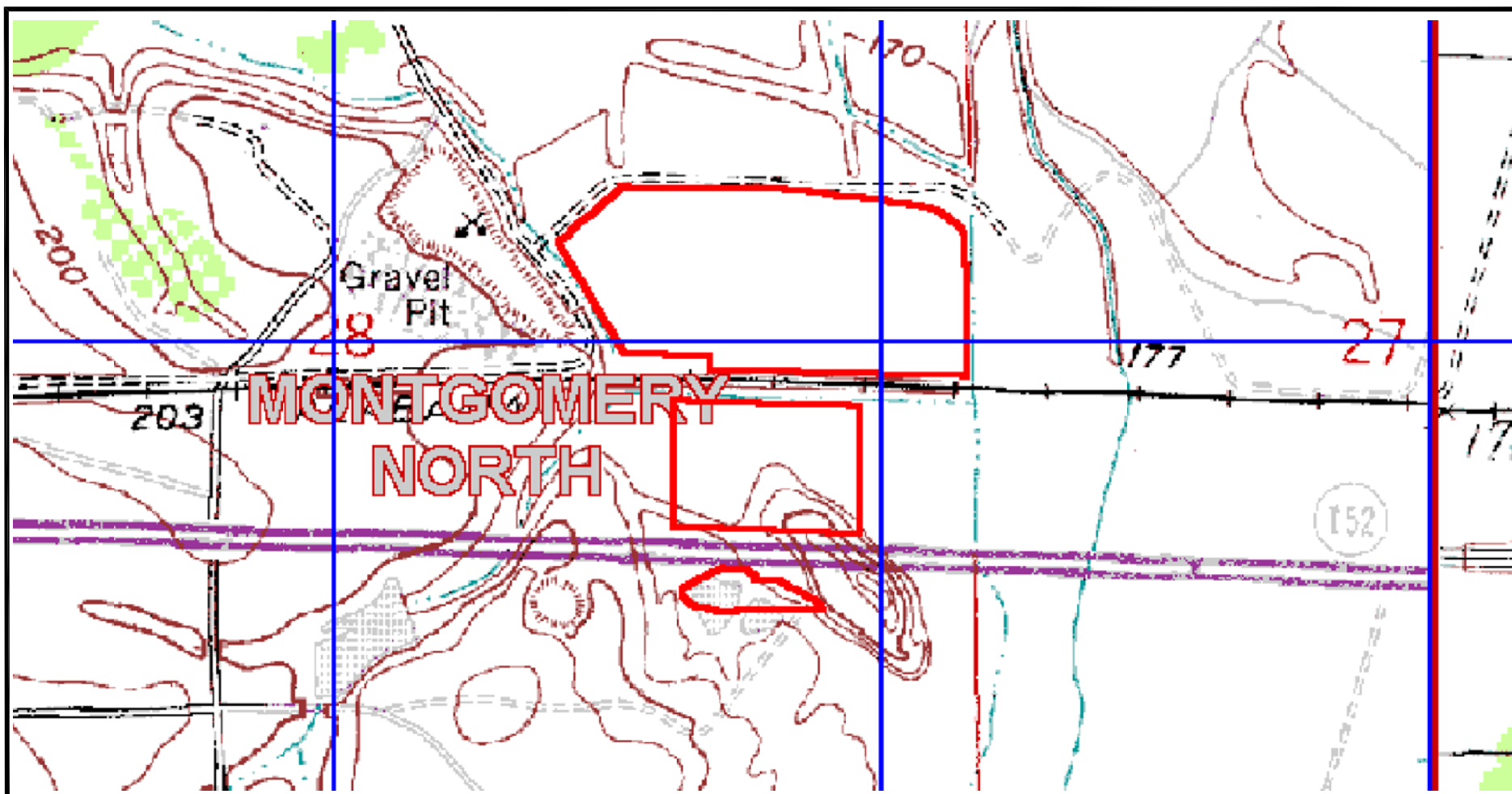
**Table 2b.** Concentrations of VOCs (volatile organic compounds)<sup>1</sup> in samples of surface water, Quarterly "Low-Lying Areas" Investigation; Coliseum Boulevard Plume Investigation; Montgomery, Alabama. [Distributions of VOCs in soils and surface-water samples are shown on Figures 3 and 4.]

Sample Identifier	Sample Date	Trichloroethylene	Toluene	Chloromethane	Vinyl Chloride	Cis-1,2-Dichloroethane	Methylene Chloride <sup>2</sup>
		[Concentrations are in micrograms per liter (µg/l)]					
		1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>
Rinsate	11/15/2001	ND	ND	ND	ND	ND	ND
Blank	11/15/2001	ND	ND	ND	ND	ND	ND
Rinsate	2/13/2002	ND	ND	ND	ND	ND	ND
Blank	2/13/2002	ND	ND	ND	ND	ND	ND
Rinsate	5/22/2002	ND	ND	ND	ND	ND	5.1J
Blank	5/22/2002	ND	ND	ND	ND	ND	ND
Rinsate	9/17/2002	ND	ND	ND	ND	ND	ND
Blank	9/17/2002	ND	ND	ND	ND	ND	ND
Rinsate	10/31/2002	ND	ND	ND	ND	ND	ND
Blank	10/31/2002	ND	ND	ND	ND	ND	ND
Rinsate 2	11/16/2001	ND	ND	ND	ND	ND	ND
Blank	11/16/2001	ND	ND	ND	ND	ND	ND
Rinsate 2	2/14/2002	ND	ND	ND	ND	ND	ND
Blank	2/14/2002	ND	ND	ND	ND	ND	ND

**Notes:**

- <sup>1</sup> The samples were analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.
- <sup>2</sup> Methylene Chloride is considered to have been present in the laboratory during analysis of the samples.
- <sup>3</sup> MDL - Method Detection Limit of 1.0 micrograms per liter for the aqueous laboratory analyses
- <sup>4</sup> ND - Not Detected
- <sup>5</sup> NC - Not Collected, either surface water was not present or the sampling location was not scheduled to be sampled. Quarterly sampling was initiated after the February 2002 sampling event and the only sample locations to be sampled are I through P.
- <sup>6</sup> dup - Duplicate samples were collected for quality assurance / quality control purposes.
- <sup>7</sup> J - Concentration below the calibration curve, but above the method detection limit

# FIGURES



Source: USGS Tuscaloosa 7.5 Minute Quadrangle Maps



4154 Lomac Street ■ Montgomery, Alabama 36106  
334.244.0766 ■ Fax 334.244.6668

TTL PROJECT NO: 0700-024

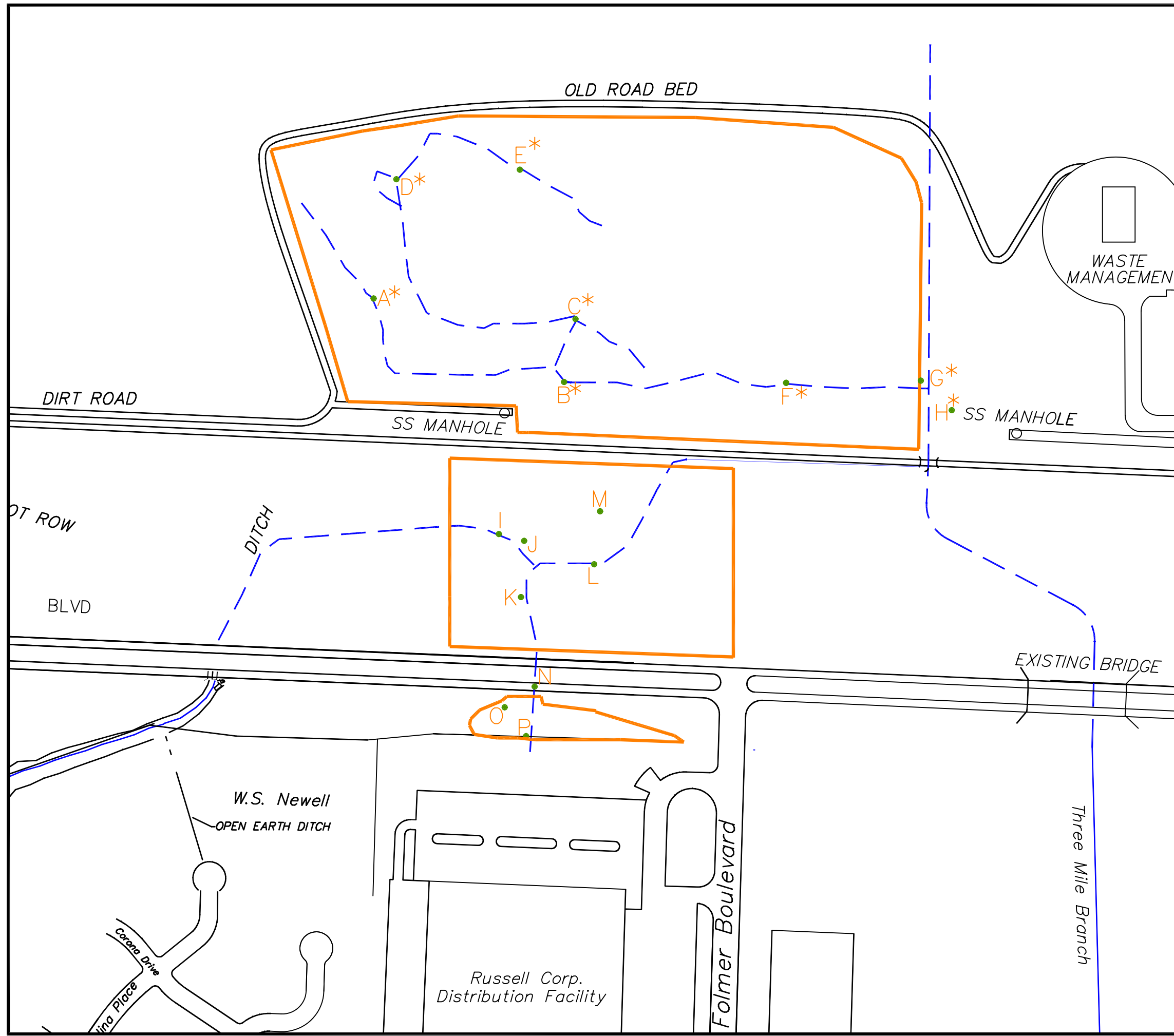
Figure 1. Locations of Low Lying Areas. September 17 and October 31, 2002. Third Quarterly Event.







Low Lying Areas




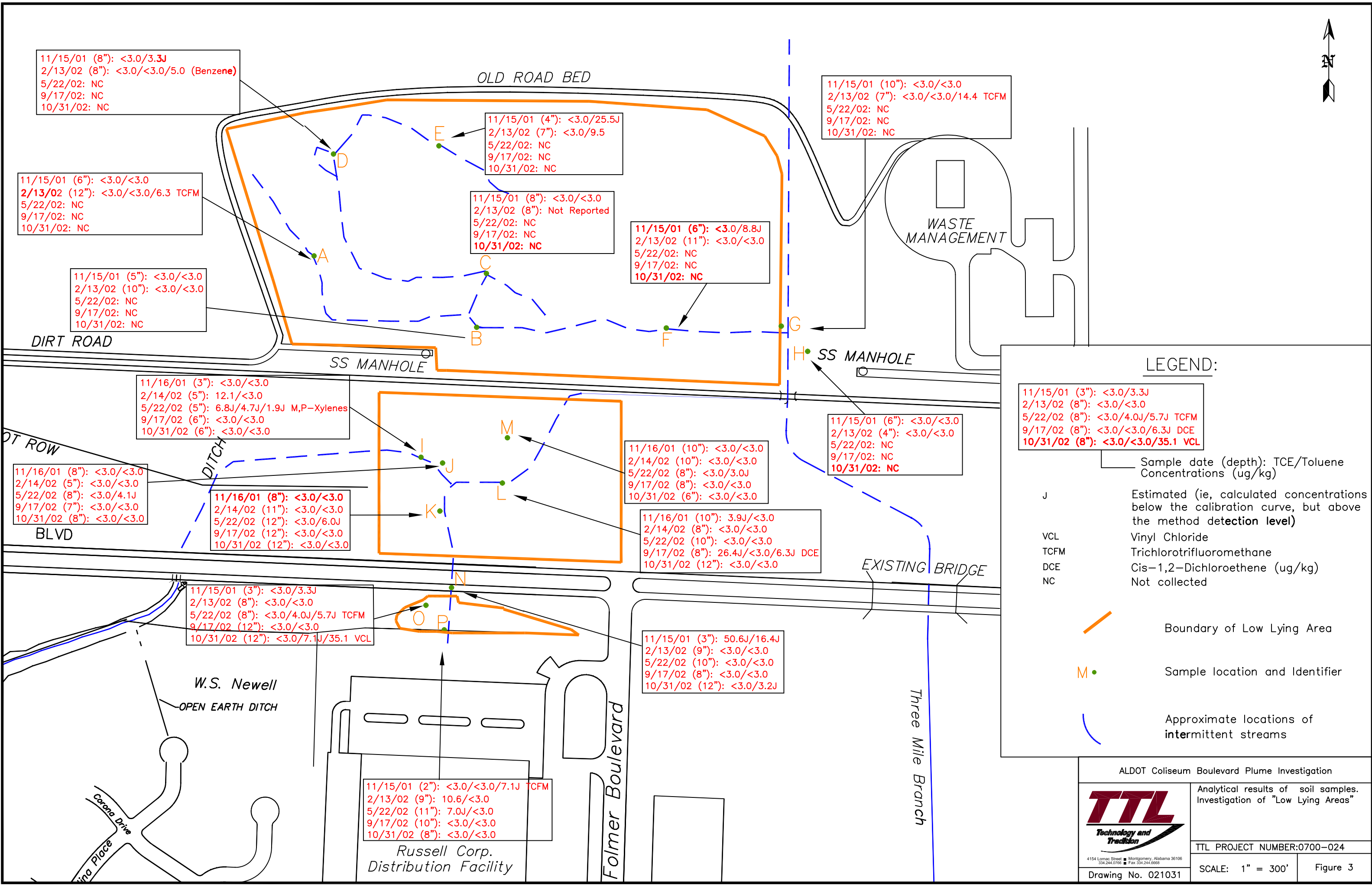
1" = 16,000'

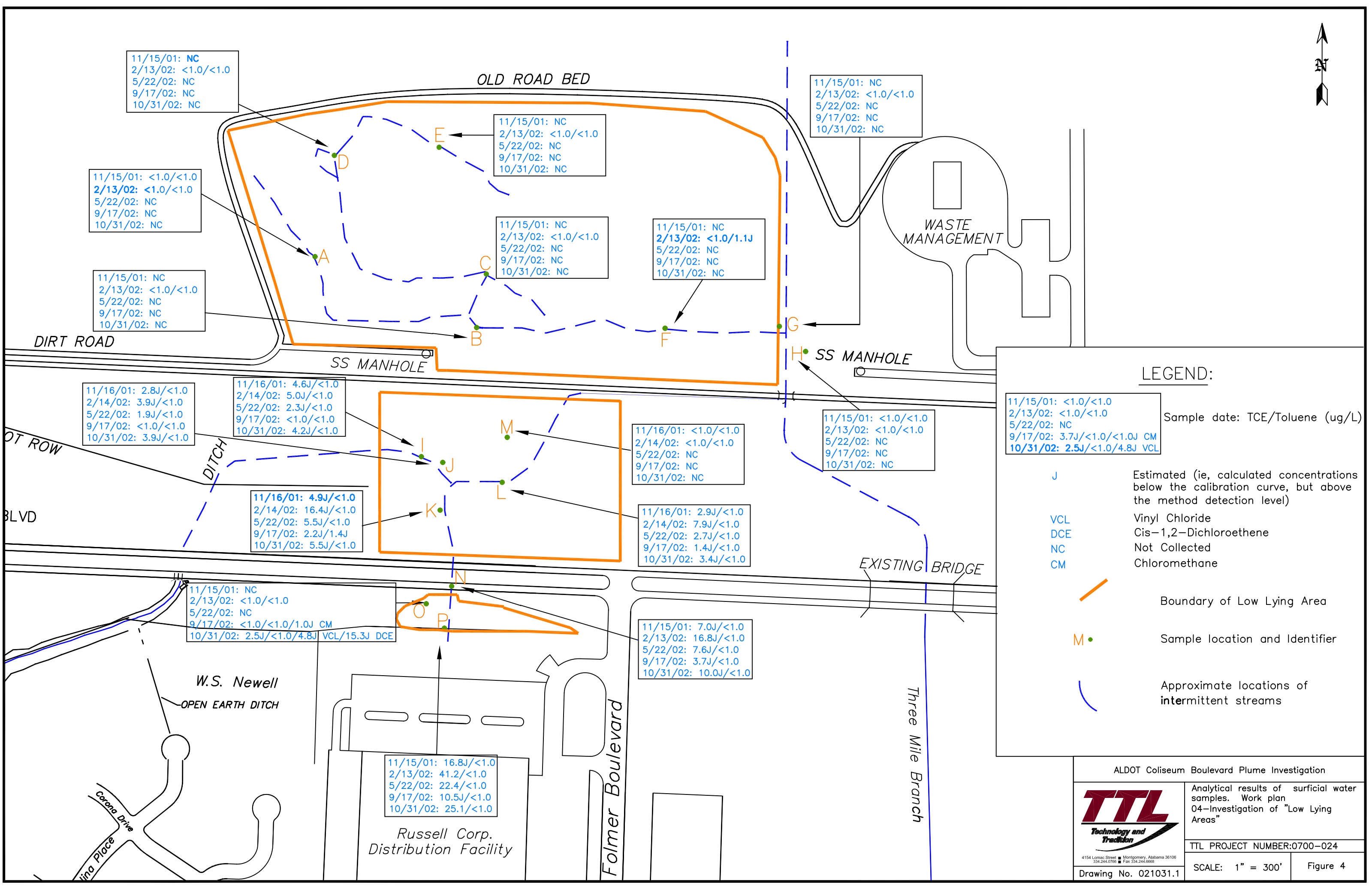


LEGEND:

-  Boundary of Low Lying Area
-  Sample location and Identifier
-  Approximate locations of intermittent streams
-  Not sampled – Location was not scheduled for sampling during this quarterly event

ALDOT Coliseum Boulevard Plume Investigation		
 <small>4154 Lomac Street ■ Montgomery, Alabama 36106 334.244.0750 ■ Fax: 334.244.5558</small>	Sample locations and identifiers. September 17 and October 31, 2002. Third Quarterly Event.	
	TTL PROJECT NUMBER:0700-024	
	Drawing No. 020322	SCALE: 1" = 300' Figure 2







**ATTACHMENT**  
**(Refer to GIS Database)**